SPACEPORT

The Best Launch Site on Earth — Rail Recovery — Sovereign Supply Chain

Brett Murrell | Candidate for Farrer

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28°S · 2,000km downrange desert · sovereign methane pipeline · full supply chain · booster recovery on rail · world first

28°S	2,000km	$12/kg	$100B+
Cape Canaveral latitude match	Downrange desert No other site on earth	Sovereign methane Pipeline direct to pad	Space economy Australia by 2040

THE PROBLEM — THE BEST LAUNCH SITE ON EARTH — ALMOST COMPLETELY UNUSED

BEST SITE ON EARTH — BARELY USED

Central Australia: 28°S matching Cape Canaveral. Access to every commercially valuable orbit. Clearest skies and most launch days per year. And 2,000 kilometres of empty, unpopulated

NO INFRASTRUCTURE — UNTIL NOW

The best launch geometry on earth has gone unused because central Australia had nothing else. No reliable power. No water. No transport. No gas supply. No workforce pipeline. No

CANNOT LAUNCH OUR OWN SATELLITES

Australia depends entirely on foreign launch providers — SpaceX, Rocket Lab, Arianespace — for every government satellite. Ukraine demonstrated the vulnerability: when Starlink

THE MMP SOLUTION — SOVEREIGN LAUNCH — FULL SUPPLY CHAIN — WORLD-FIRST RECOVERY

THE CONTINENTAL CROSSROADS

SBC#1 meets SBC#2 near Alice Springs. At the junction: power at 6c/kWh · sovereign pipeline methane · Alice Hub water · terabit fibre · standard gauge freight rail · maglev in under 30 minutes. The Crossroads had the best launch geometry on earth. The SBC delivers everything else.

METHANE BY PIPELINE — SOVEREIGN

No launch site has a national gas grid delivering methane by pipeline from sovereign fields. Beetaloo Basin (500+ TCF, on SBC#2), Timor Sea, and Cooper Basin flow into the SBC gas corridor. Arrives continuously from Australian sources. No shipping. No import risk. At $12/kg, the Crossroads undercuts every competitor.

LOX FROM CORRIDOR POWER

LOX from air at 6c/kWh: ~$0.03/kg. A Starship-class LOX load under $100,000. No other site has cheap sovereign methane by pipeline and essentially free LOX from corridor power. Lowest-cost launch propellant location on earth. Both propellants. Sovereign. Unlimited. Zero import risk.

ROCKETS AND SATS — BUILT HERE

Every material connects to the Crossroads via SBC corridors: green aluminium · steel · titanium · nickel superalloys · copper · lithium (world's largest) · rare earths · silicon · carbon fibre. Satellite manufacturing target: 20% of global market by 2040 = $3–10B/yr. Built in Australia. Owned by Australians.

TECHNOLOGY TRANSFER — STAYS HERE

Every rocket built here trains aerospace engineers, machinists, propulsion and avionics specialists. All dual-use for defence: guidance, propulsion, composite structures, miniaturised electronics. Knowledge stays in engineers, universities, and defence programs. We stop exporting engineering potential with the ore.

SOVEREIGN LAUNCH — REGIONAL HUB

Arnhem Space Centre: sovereign military launch Day 1. Continental Crossroads: heavy commercial. Spaceport feeds satellite network — feeds drone network — defends Australia. As cadence grows, the Crossroads becomes the Indo-Pacific propellant hub. Japan, South Korea, India source propellant here.

CORRIDOR TOWNS — SPACE HUBS

The space industry is a supply chain. SBC hosts every stage: Continental Crossroads — launch · Darwin — satellite assembly · Kalgoorlie — rocket structures · Pilbara — green aluminium · Mount Isa — copper · Broken Hill — precision manufacturing · Beetaloo — methane. Engineers make inland Australia genuinely liveable.

BOOSTER RECOVERY ON RAIL — WORLD FIRS

World's first rail-based booster recovery: recovery train pre-positioned at calculated downrange landing zone. Booster lands on rail platform. Train returns it to integration. No saltwater corrosion. No ship turnaround. Direct to integration. Faster cadence. Lower cost. Only possible because SBC built the rail for freight first.

GLOBAL LAUNCH MARKET — OUR SHARE

Global space economy: $450B now, $1 trillion mid-2030s. Target: 15–20% Indo-Pacific share. 100+ launches/yr = $5–10B · satellite manufacturing 20% global = $3–10B · space services from SBC fibre nodes · propellant export. Total target: $50–100B/yr by 2040. Currently: a few hundred million. The corridor is the difference.

THE OVERLAND TELEGRAPH MOMENT

The Overland Telegraph connected Australia to the world in 1872. Same desert. Best technology of its era. The Continental Crossroads Spaceport connects Australia to the solar system. Same desert. Same commitment. Build it. Launch. Recover the boosters on the rail. Own the Indo-Pacific space economy.

SPACE TOURISM — THE VIEW FROM ABOVE

Passengers arrive by maglev from Alice Springs in 30 minutes. Rockets launch over ancient landscape. Sovereign methane arrives by pipeline. Boosters return by rail. Suborbital flights. Orbital experiences. The most exclusive experience the human race has ever offered — at the most capable launch site on earth.

DOWNRANGE DESERT — THE SAFETY ASSET

2,000km of empty desert in every direction. Cape Canaveral: constrained by Florida coast. Kourou: ocean range. The Crossroads: no population, no shipping, no airspace for 2,000km. Every trajectory clear. Every range safe. Insurance underwriters price downrange risk. The Crossroads wins on every measure.

CURRENT vs SBC SOLUTION

CURRENT — THE PROBLEM	SBC — THE SOLUTION
Best launch geometry on earth. 2,000km downrange desert. Barely used.	**Continental Crossroads: power, water, gas, rail, fibre all arrive with the SBC corridor.**
Propellant: imported, expensive, vulnerable to supply disruption.	**Sovereign methane by pipeline from Beetaloo, Timor Sea, Cooper Basin. $12/kg. No import.**
LOX: priced at commercial power rates. Significant launch cost.	**LOX from air at 6c/kWh corridor power: ~$0.03/kg. A Starship LOX load under $100,000.**
Every rocket material exported as raw rock. Lithium. Aluminium. Rare earths. Silicon.	**Full sovereign supply chain: every material processed and manufactured at corridor towns.**
Australia dependent on SpaceX, Rocket Lab, Arianespace for every government satellite.	**Sovereign launch capability from Day 1. Arnhem Space Centre + Continental Crossroads.**
Booster recovery: ocean barge. Saltwater corrosion. Ship turnaround. Slow cadence.	**Rail recovery: booster lands on train downrange. No saltwater. Direct to integration. World first.**
No tech transfer: raw materials leave, aerospace knowledge stays offshore.	**Space manufacturing here: engineers, avionics, composites, propulsion. All dual-use defence.**
Global space economy $450B growing to $1T. Australia captures a few hundred million.	**Target: $50–100B/yr by 2040. 100+ launches. Satellite manufacturing. Propellant export hub.**
No downrange safety advantage exploited commercially.	**2,000km empty desert: lowest insurance and range costs in the global launch industry.**
Space tourism: American and British companies building what Australia should own.	**Maglev to the launch pad in 30 minutes. Suborbital flights. The view from above. Ours.**

> *"The Overland Telegraph connected Australia to the world in 1872. The SBC Spaceport connects Australia to the solar system. Both were built through the same central Australian desert. Both used the best technology of their era. Both changed what Australia was." — SBC Prospectus v51, Chapter 15*

★ VOTE 1 — BRETT MURRELL — FARRER — SATURDAY 9 MAY 2026 ★

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